

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
 Data File : BF107604.D
 Acq On : 23 Jul 2018 22:28
 Operator : JU/SJ
 Sample : J4096-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-3

Manual Integrations
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 7/24/2018 5:26:50 PM

Quant Time: Jul 24 05:01:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	204476	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	686959	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	275390	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	594619	20.00	ng	0.00
75) Chrysene-d12	14.17	240	423469	20.00	ng	0.00
86) Perylene-d12	15.71	264	333639	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1144578	90.00	ng	0.00
7) Phenol-d6	6.61	99	1360285	89.08	ng	0.00
23) Nitrobenzene-d5	7.54	82	774259	76.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	345743	110.40	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1292761	78.80	ng	0.00
78) Terphenyl-d14	13.10	244	1400412	84.66	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.72	163	130073	6.267	ng	97
70) Phenanthrene	11.54	178	273424	9.436	ng	98
74) Fluoranthene	12.74	202	1139068	36.634	ng	98
77) Pyrene	12.97	202	948428	32.743	ng	97
80) Benzo(a)anthracene	14.16	228	316643	12.760	ng	97
82) Chrysene	14.19	228	498392	20.907	ng	96
83) Bis(2-ethylhexyl)phthalate	14.12	149	321388	18.285	ng	100
85) Indeno(1,2,3-cd)pyrene	17.30	276	380018m	18.809	ng	
87) Benzo(b)fluoranthene	15.25	252	624436m	34.197	ng	
88) Benzo(k)fluoranthene	15.28	252	223639m	12.501	ng	
89) Benzo(a)pyrene	15.65	252	351940	21.071	ng	# 94
90) Dibenzo(a,h)anthracene	17.31	278	65792	4.557	ng	# 82
91) Benzo(a,h,i)perylene	17.78	276	375682	26.379	ng	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

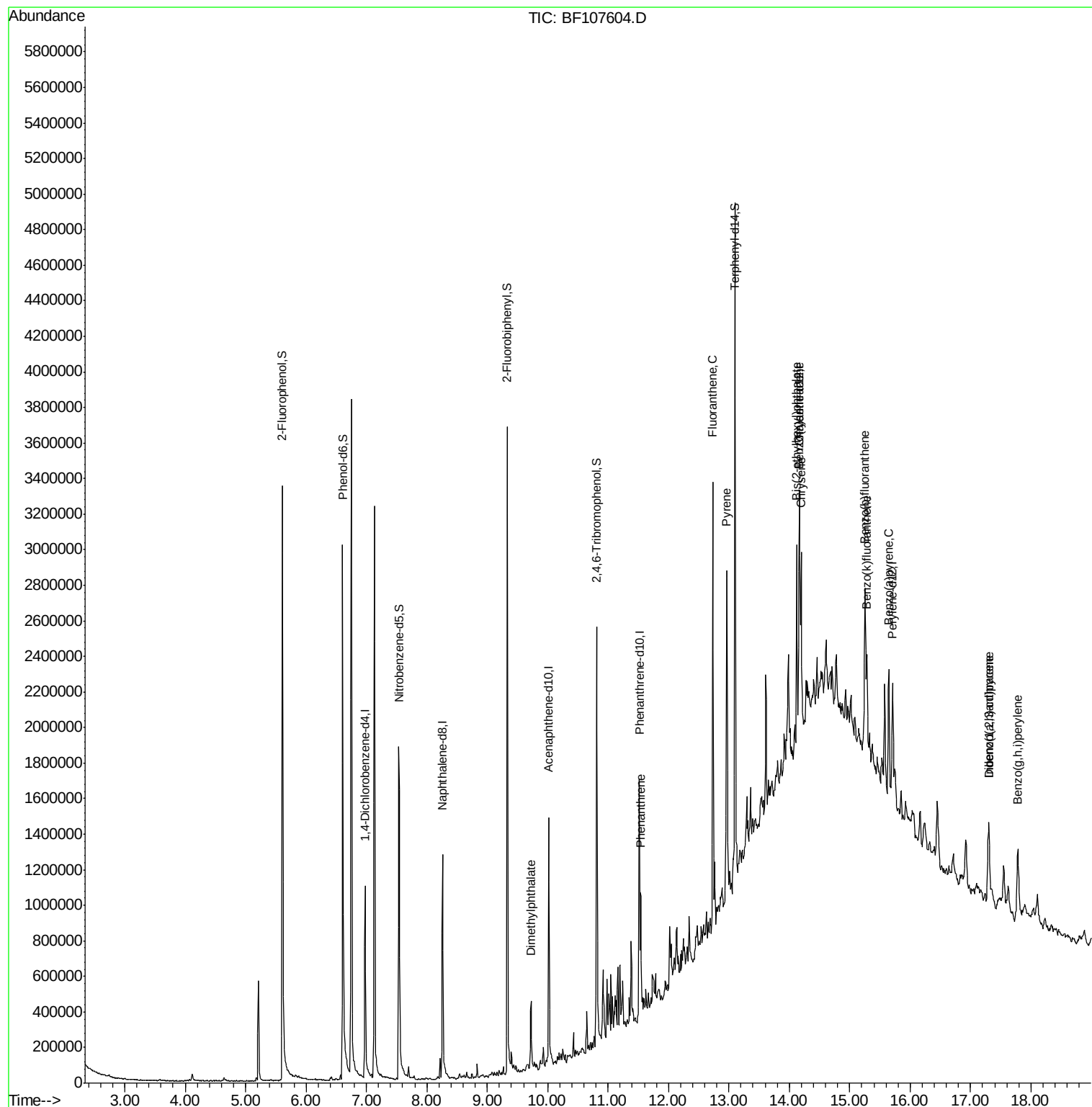
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107604.D
Acq On : 23 Jul 2018 22:28
Operator : JU/SJ
Sample : J4096-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

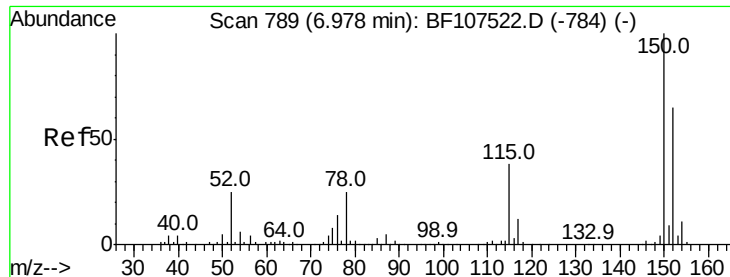
Instrument :
BNA_F
ClientSampled :
DW-3

Quant Time: Jul 24 05:01:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
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#1

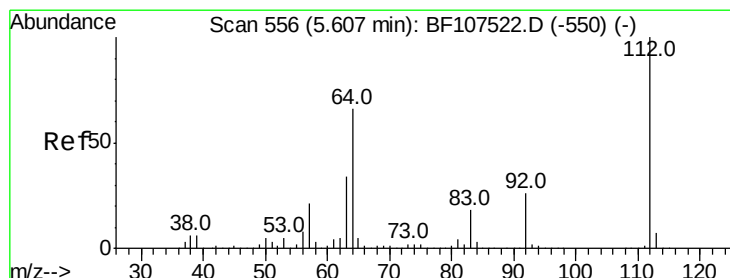
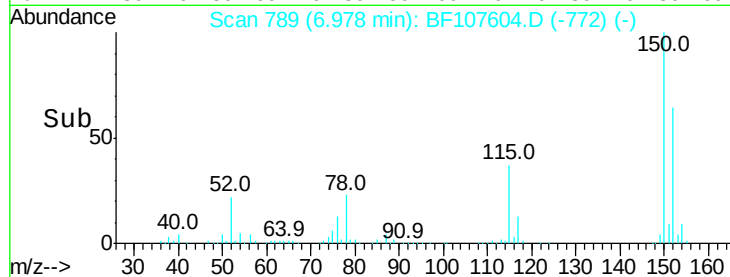
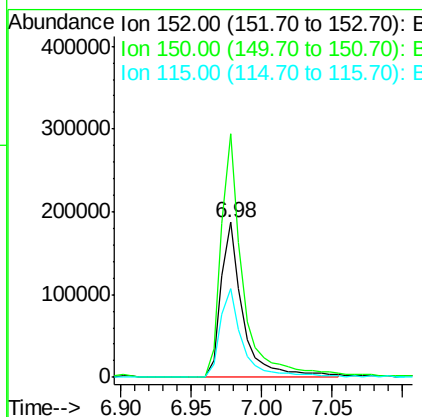
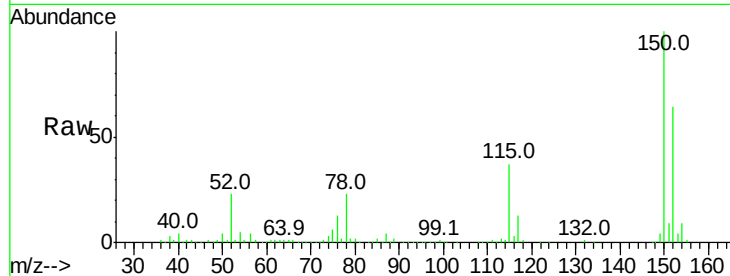
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Instrument :
BNA_F
ClientSampled :
DW-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	57.6	50.1	75.1

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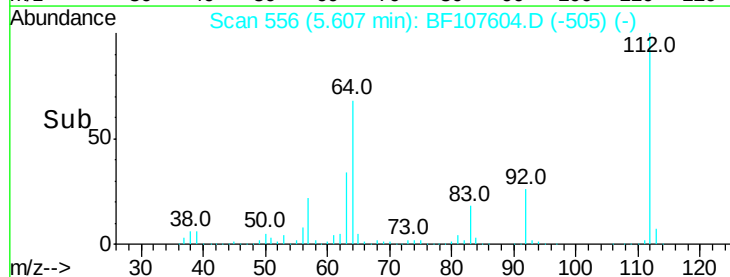
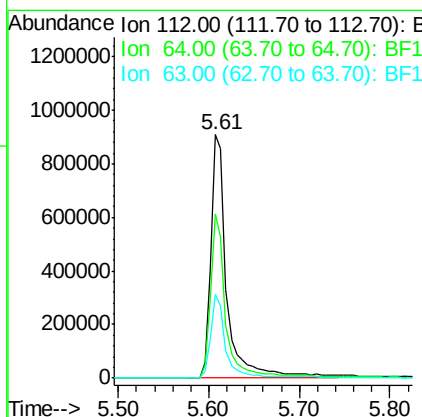
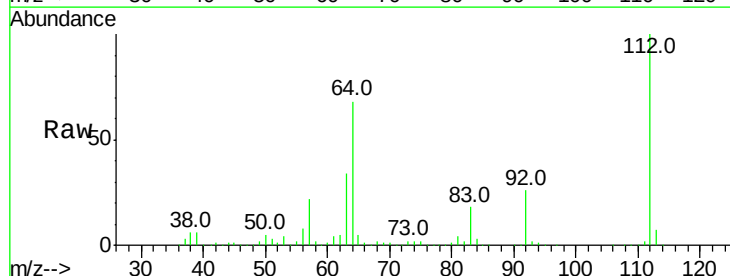
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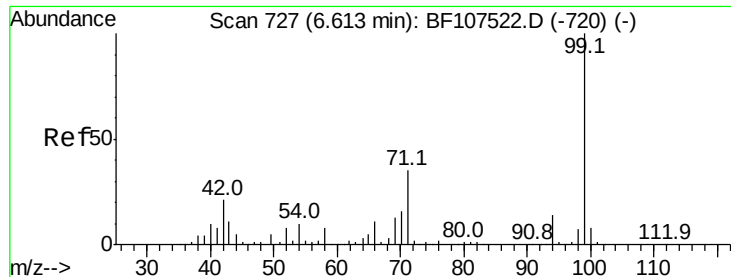


#5

2-Fluorophenol
Concen: 89.999 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	47.9	71.9
63	34.3	23.7	35.5





#7

Phenol-d6

Concen: 89.079 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107604.D

Acq: 23 Jul 2018 22:28

Instrument :

BNA_F

ClientSampled :

DW-3

Tot Ion: 99 Resp: 1360285

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

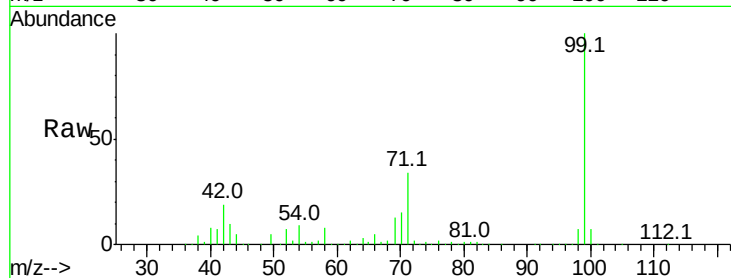
71 34.0 25.4 38.0

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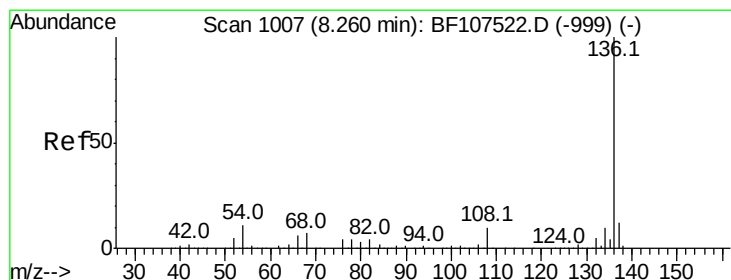
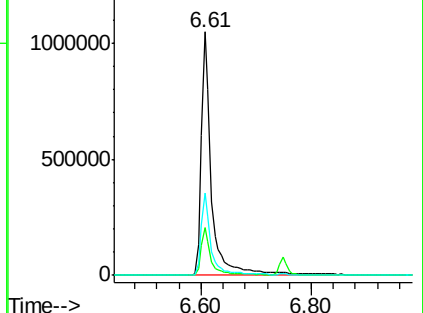
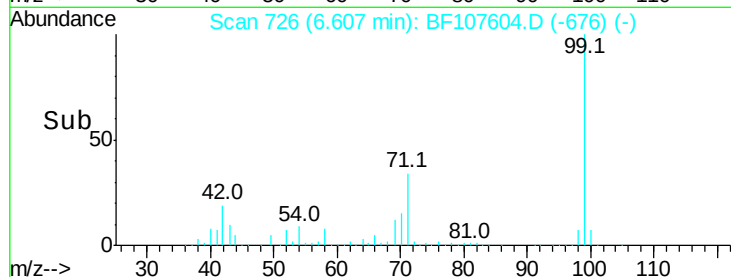
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF107604.D

Acq: 23 Jul 2018 22:28

Tgt Ion: 136 Resp: 686959

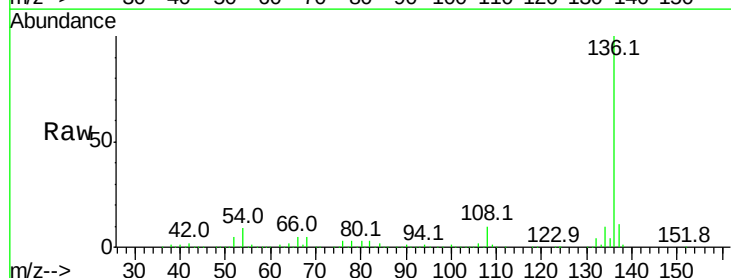
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.5 6.6 9.8

68 5.4 5.0 7.4

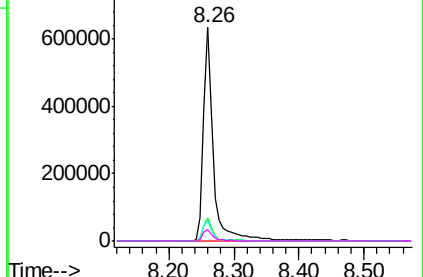
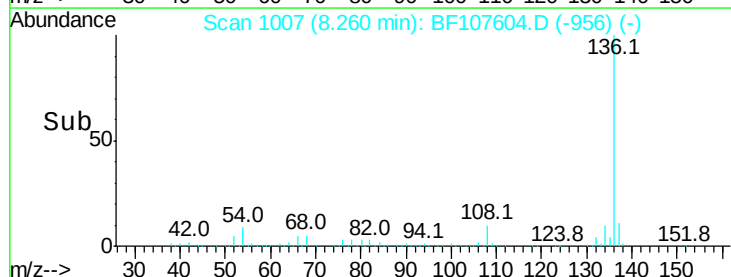


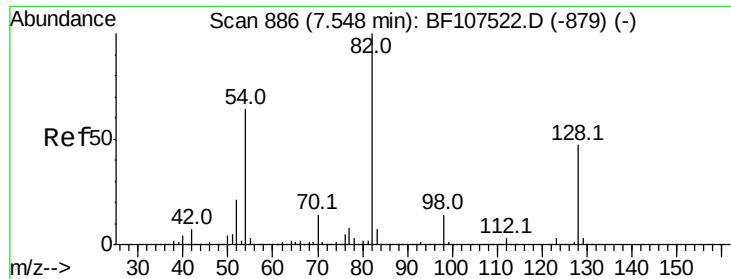
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





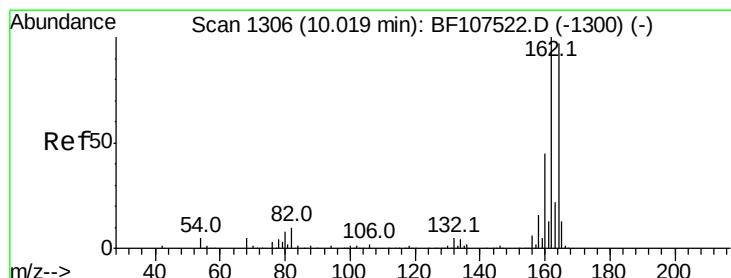
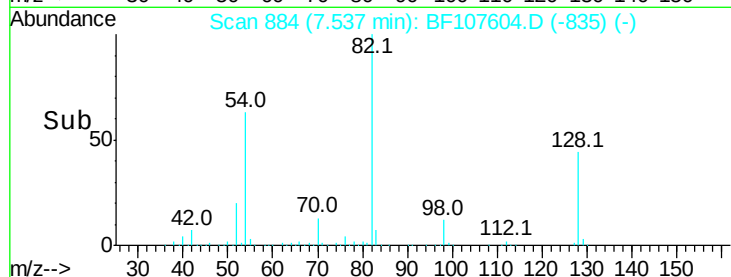
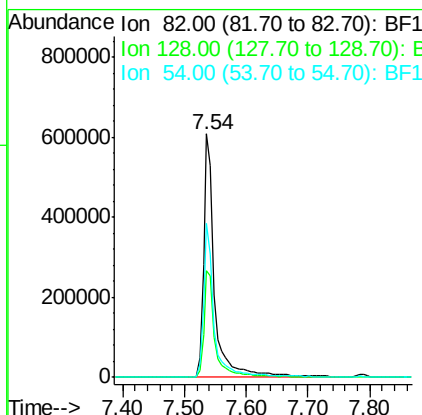
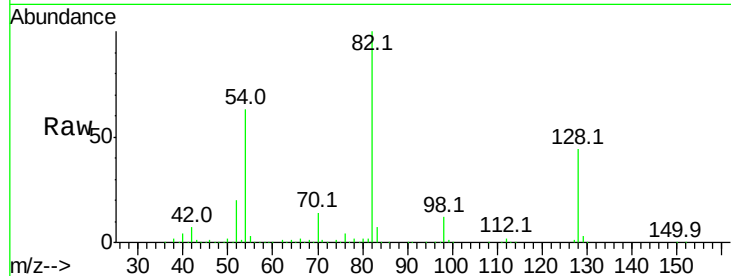
#23
 Nitrobenzene-d5
 Concen: 76.064 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF107604.D
 Acq: 23 Jul 2018 22:28

Instrument :
 BNA_F
 ClientSampled :
 DW-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	63.0	41.4	62.2

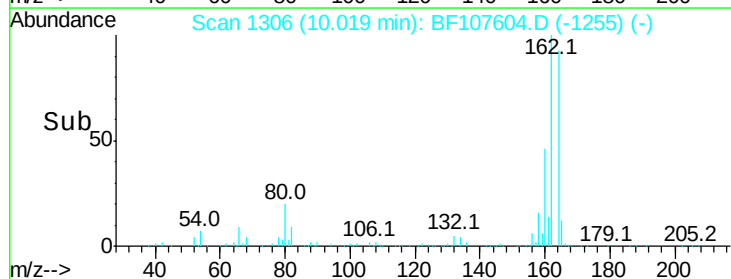
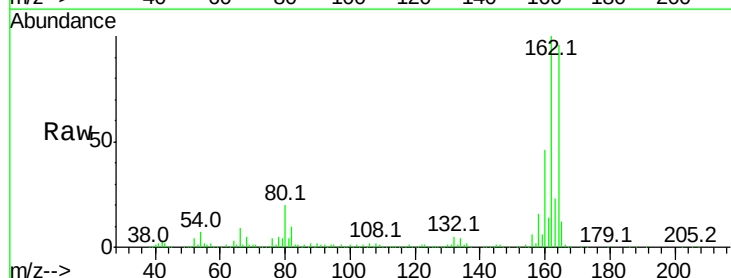
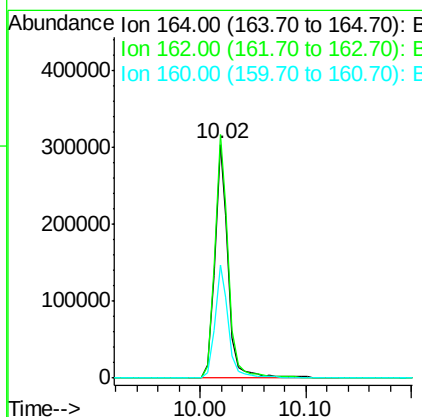
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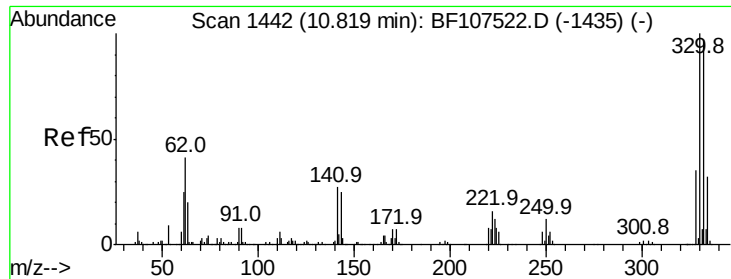
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF107604.D
 Acq: 23 Jul 2018 22:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	48.2	38.3	57.5





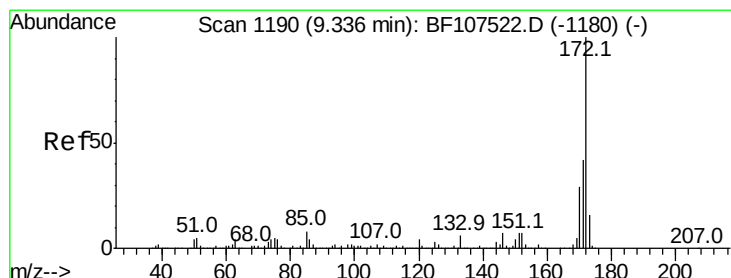
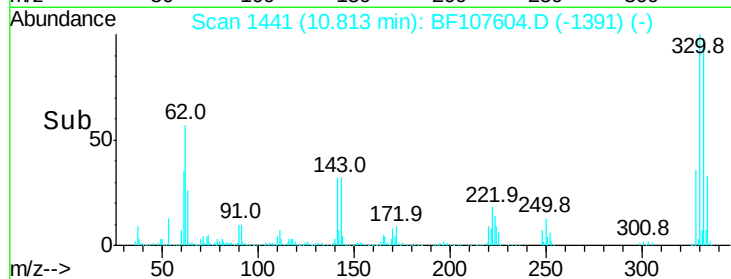
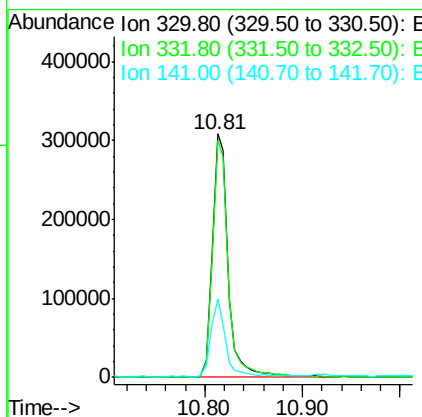
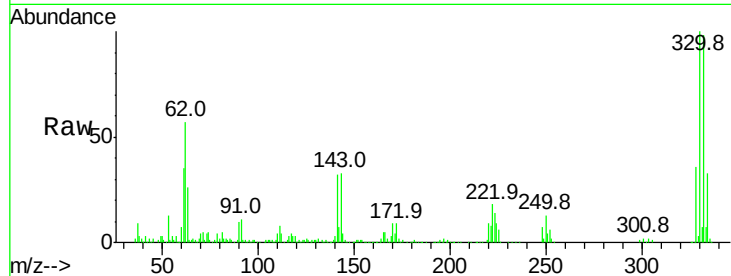
#41
 2,4,6-Tribromophenol
 Concen: 110.404 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107604.D
 Acq: 23 Jul 2018 22:28

Instrument :
 BNA_F
 ClientSampled :
 DW-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	29.7	29.9	44.9#

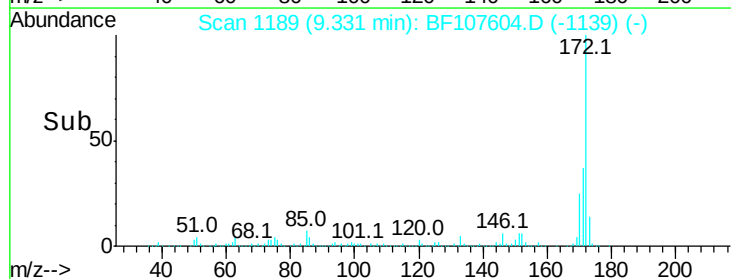
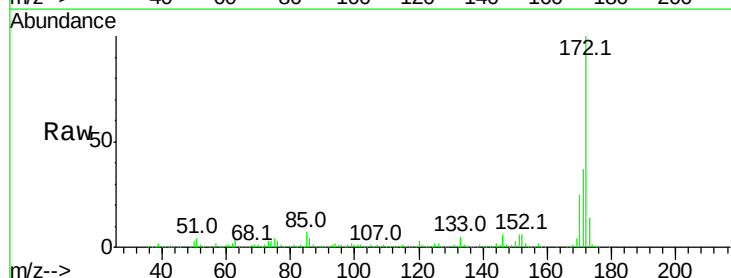
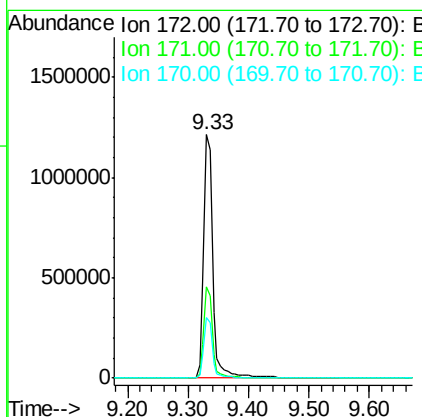
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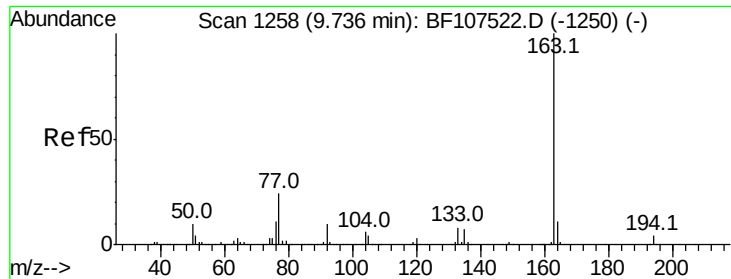
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#44
 2-Fluorobiphenyl
 Concen: 78.795 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107604.D
 Acq: 23 Jul 2018 22:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	24.9	19.6	29.4





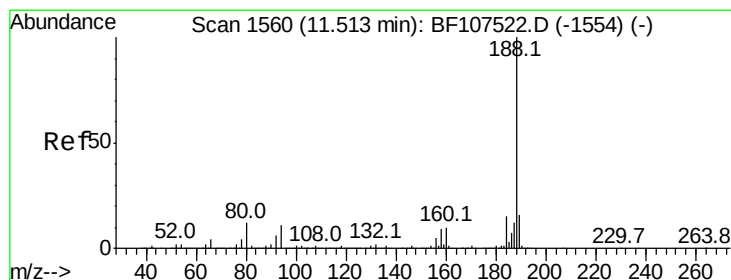
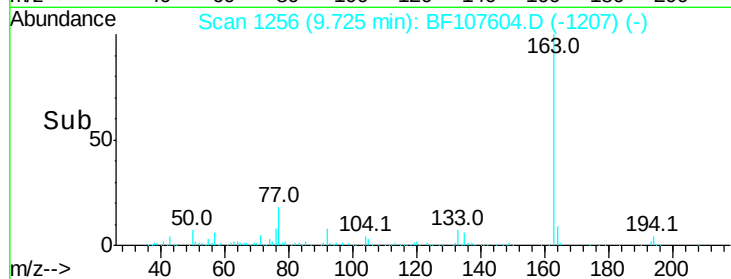
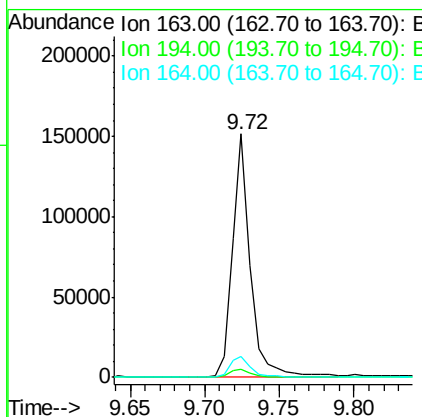
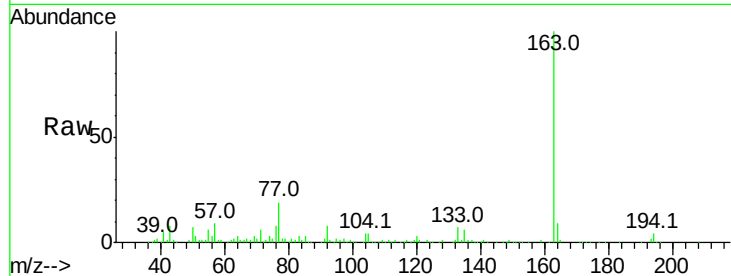
#49
 Dimethylphthalate
 Concen: 6.267 ng
 RT: 9.72 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: BF107604.D
 Acq: 23 Jul 2018 22:28

Instrument :
 BNA_F
 ClientSampleId :
 DW-3

Tot Ion:	163	Resp:	130073
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	8.8	8.2	12.2

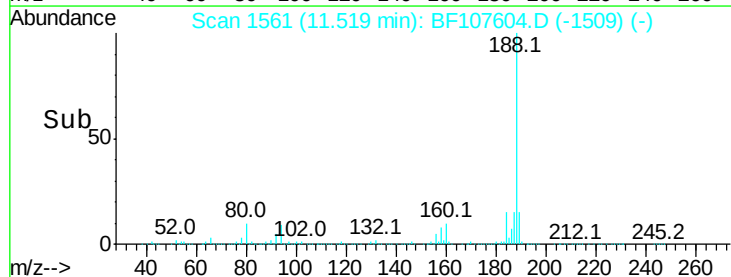
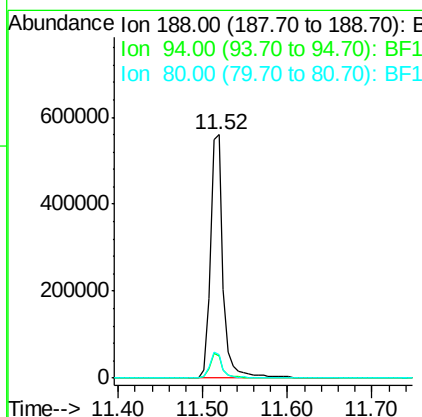
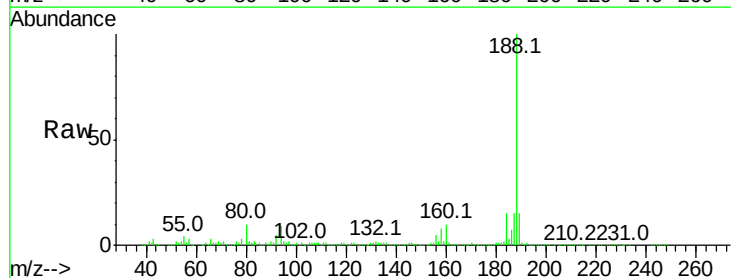
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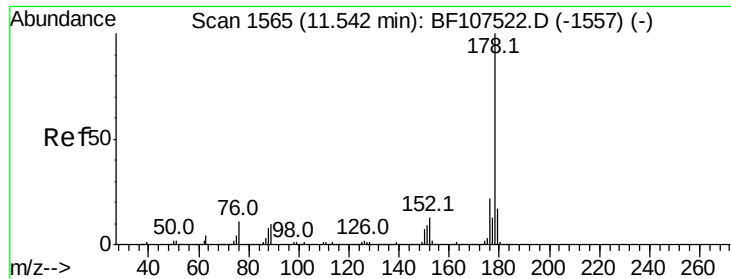
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: BF107604.D
 Acq: 23 Jul 2018 22:28

Tgt Ion:	188	Resp:	594619
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.5	12.7
80	9.7	9.2	13.8





#70

Phenanthrene

Concen: 9.436 ng

RT: 11.54 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BF107604.D

Acq: 23 Jul 2018 22:28

Instrument :

BNA_F

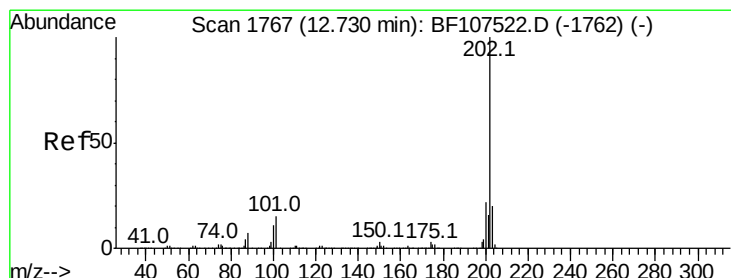
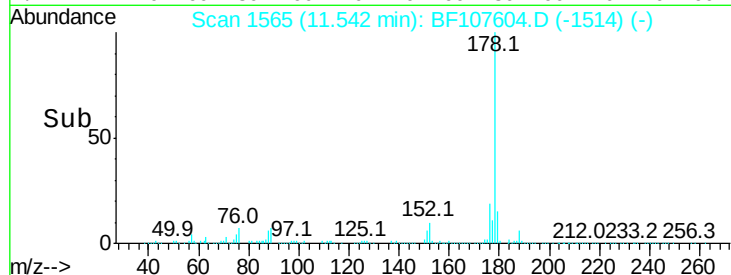
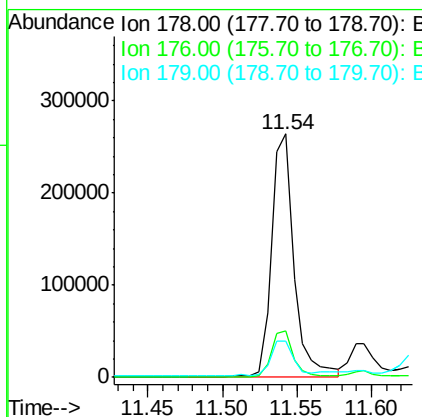
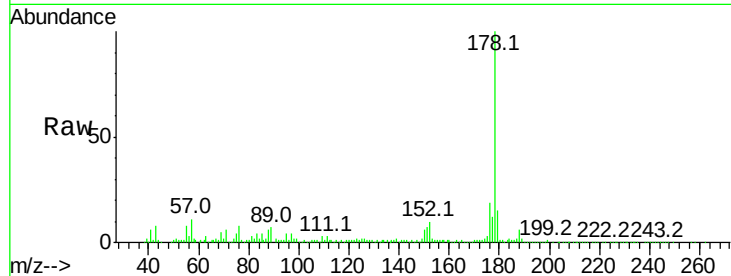
ClientSampled :

DW-3

Tot Ion:	178	Resp:	273424
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.0	13.0	19.6

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#74

Fluoranthene

Concen: 36.634 ng

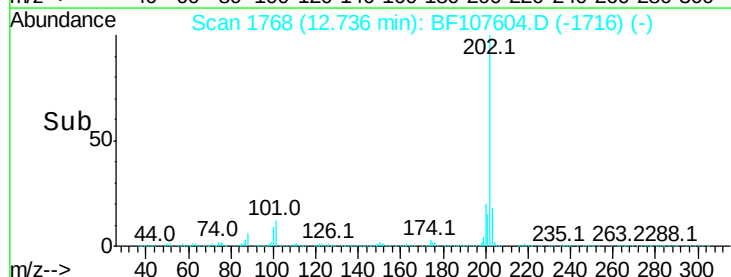
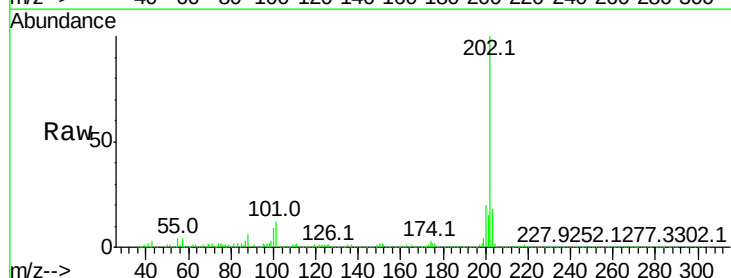
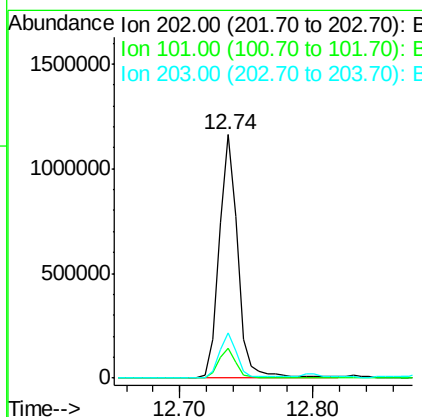
RT: 12.74 min Scan# 1768

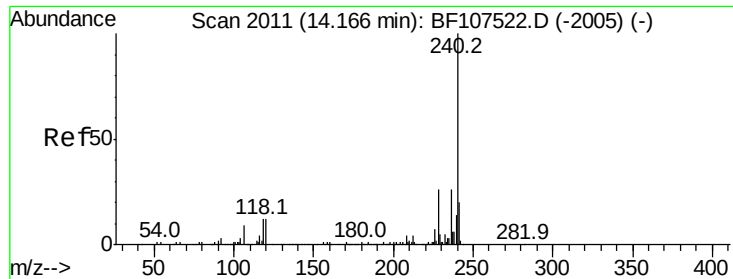
Delta R.T. 0.01 min

Lab File: BF107604.D

Acq: 23 Jul 2018 22:28

Tgt Ion:	202	Resp:	1139068
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF107604.D

Acq: 23 Jul 2018 22:28

Instrument :

BNA_F

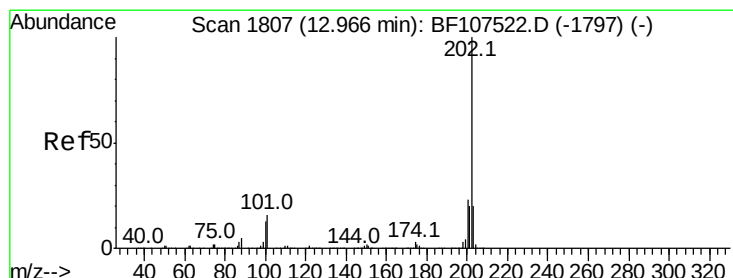
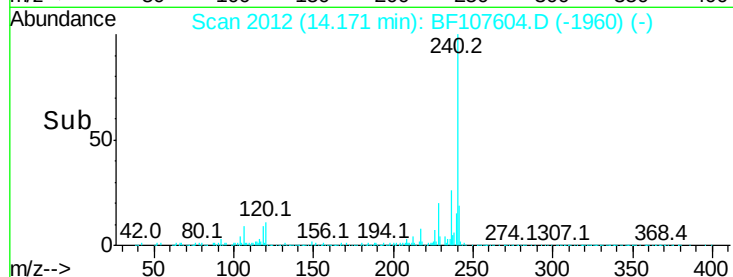
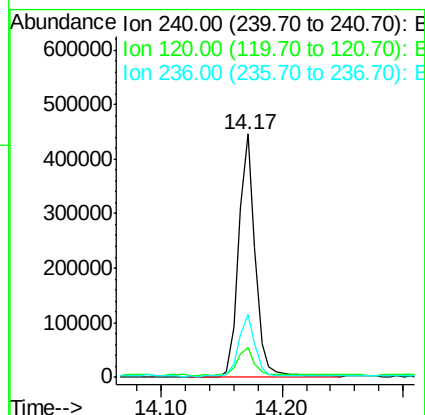
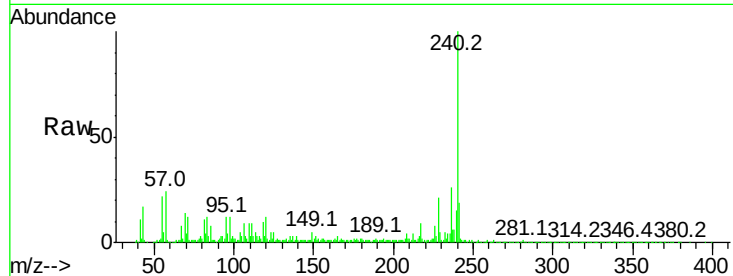
ClientSampled :

DW-3

Tot Ion:	240	Resp:	423469
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 32.743 ng

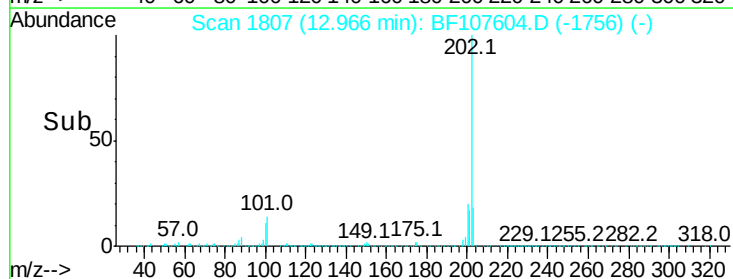
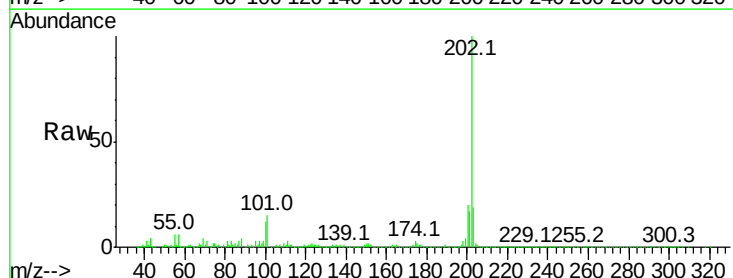
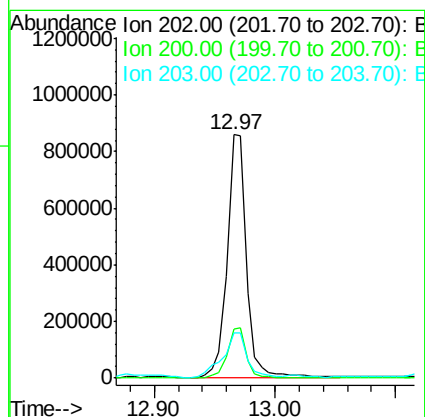
RT: 12.97 min Scan# 1807

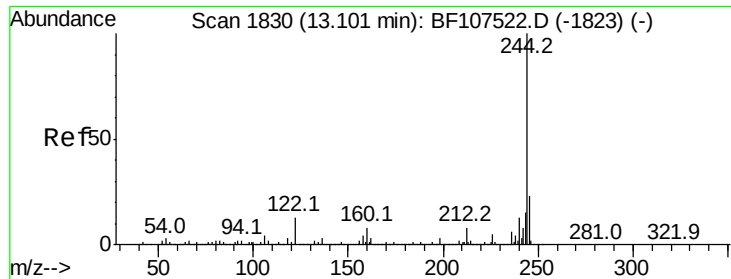
Delta R.T. -0.00 min

Lab File: BF107604.D

Acq: 23 Jul 2018 22:28

Tgt Ion:	202	Resp:	948428
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.4	26.2
203	18.6	14.3	21.5





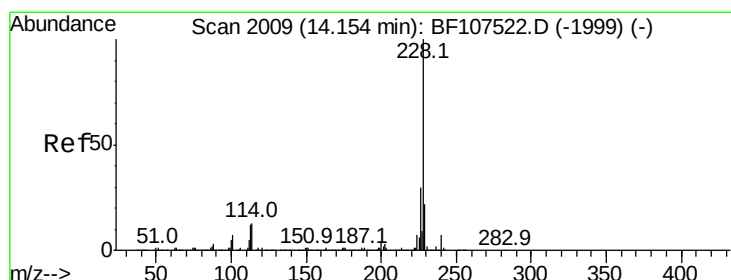
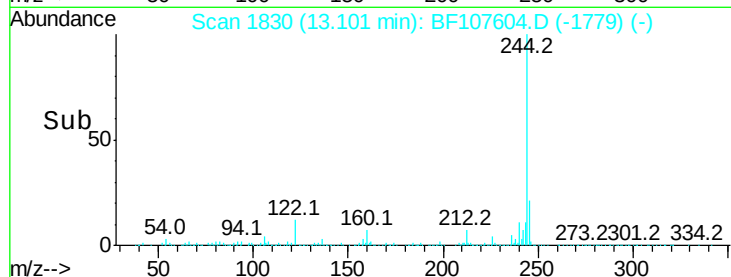
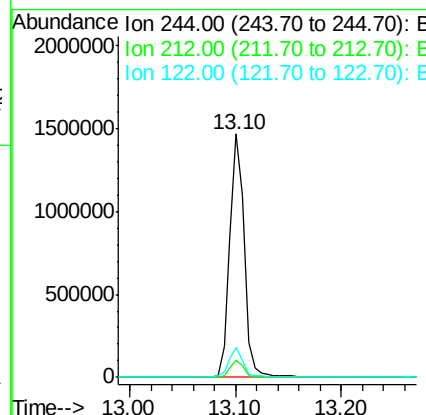
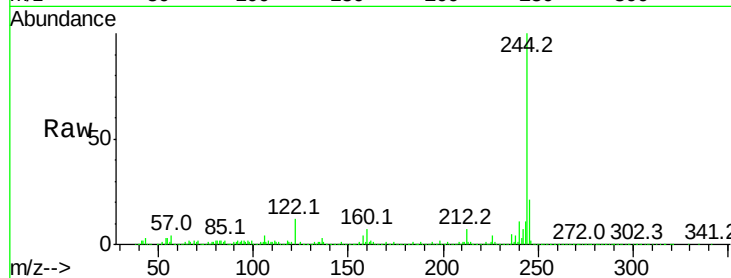
#78
 Terphenyl-d14
 Concen: 84.662 ng
 RT: 13.10 min Scan# 1830
 Delta R.T. 0.00 min
 Lab File: BF107604.D
 Acq: 23 Jul 2018 22:28

Instrument :
 BNA_F
 ClientSampleId :
 DW-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.3	11.0	16.4

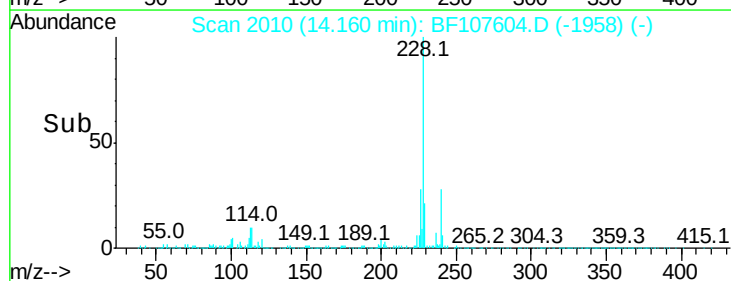
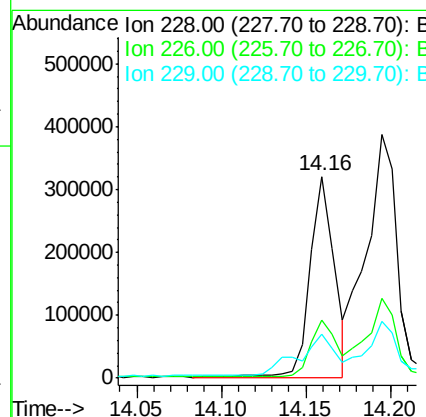
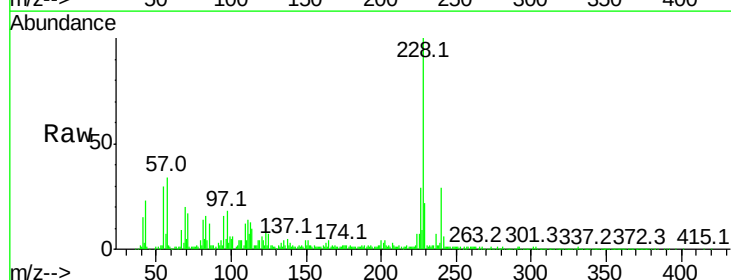
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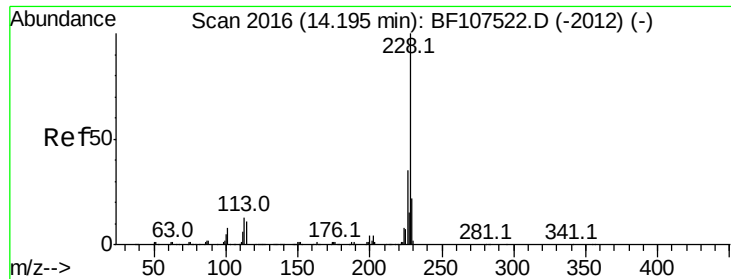
Sohil
 7/24/2018 5:26:50 PM



#80
 Benzo(a)anthracene
 Concen: 12.760 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. 0.01 min
 Lab File: BF107604.D
 Acq: 23 Jul 2018 22:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	21.9	15.8	23.6





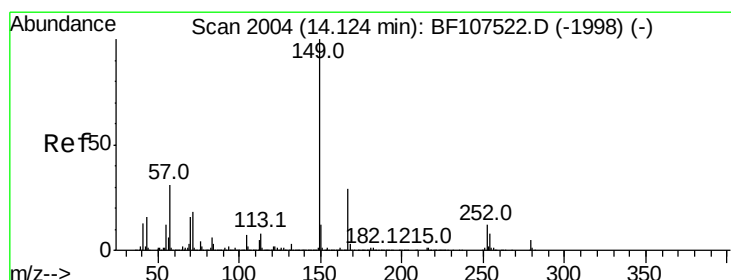
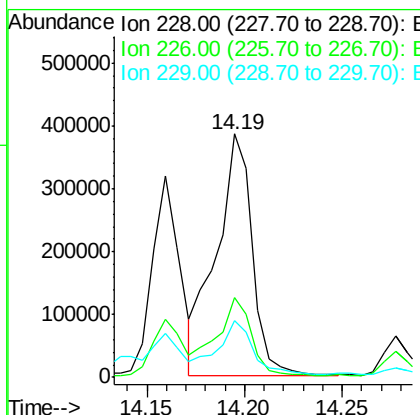
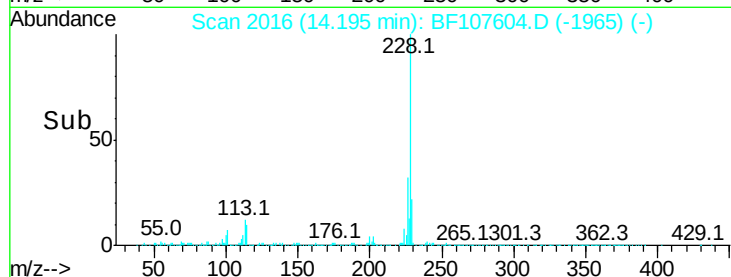
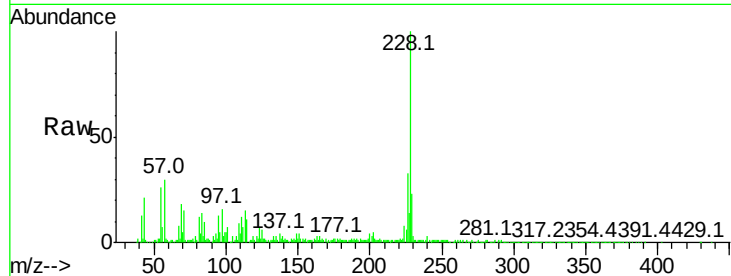
#82
Chrysene
Concen: 20.907 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Instrument :
BNA_F
ClientSampled :
DW-3

Tot Ion:	228	Resp:	498392
Ion Ratio	Lower	Upper	
228	100		
226	32.7	25.0	37.6
229	23.1	16.2	24.4

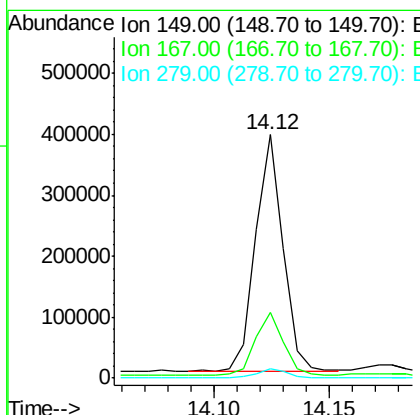
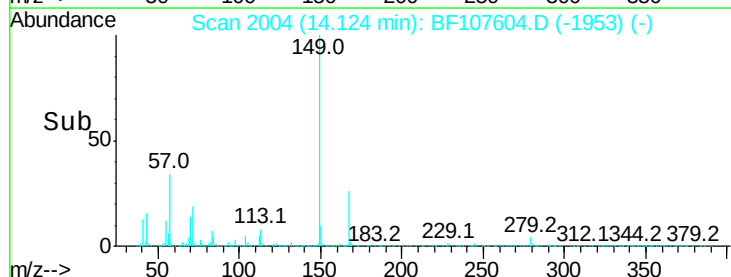
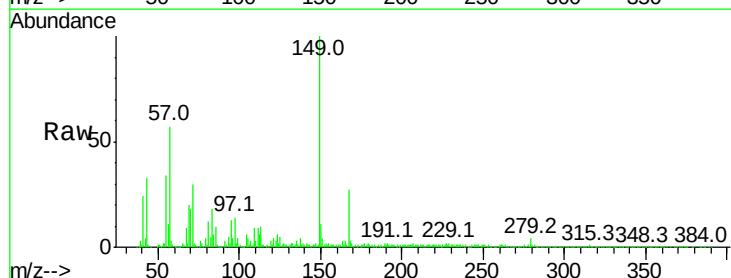
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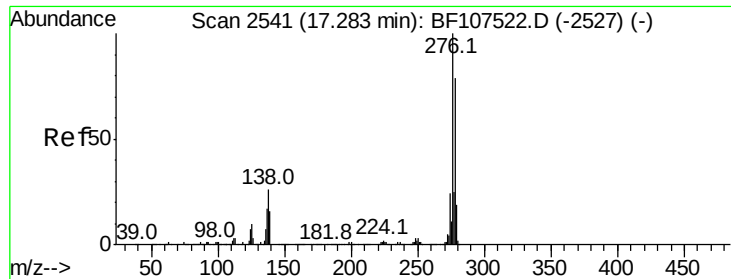
Sohil
7/24/2018 5:26:50 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 18.285 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Tgt Ion:	149	Resp:	321388
Ion Ratio	Lower	Upper	
149	100		
167	26.9	21.3	31.9
279	3.8	3.0	4.4





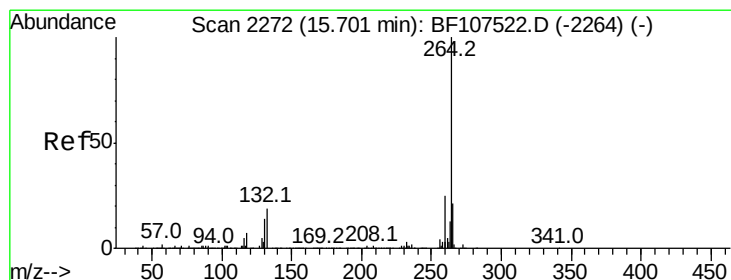
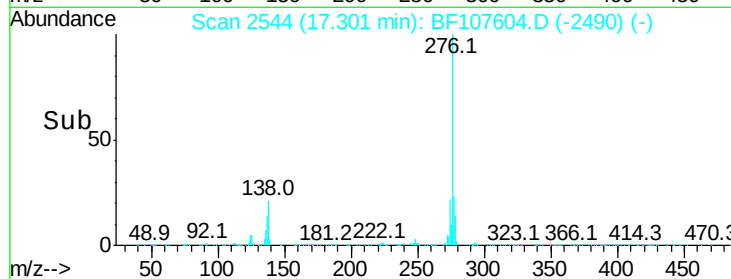
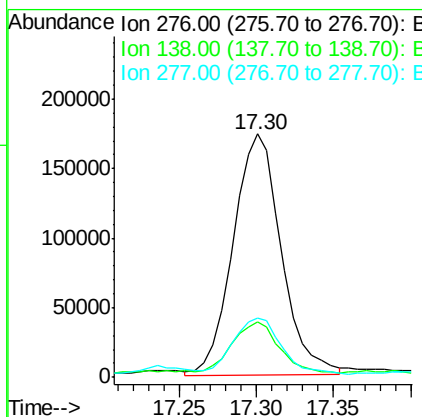
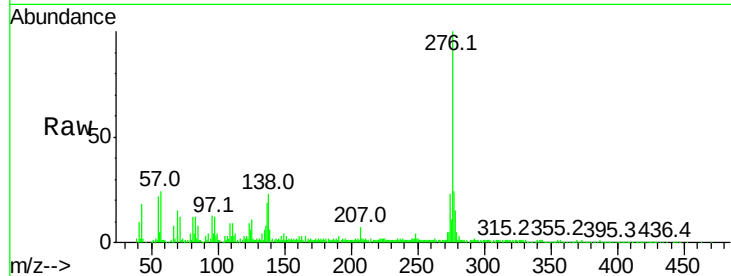
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.809 ng
RT: 17.30 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Instrument :
BNA_F
ClientSampleId :
DW-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.0	25.0	37.6#
277	4.1	20.1	30.1#

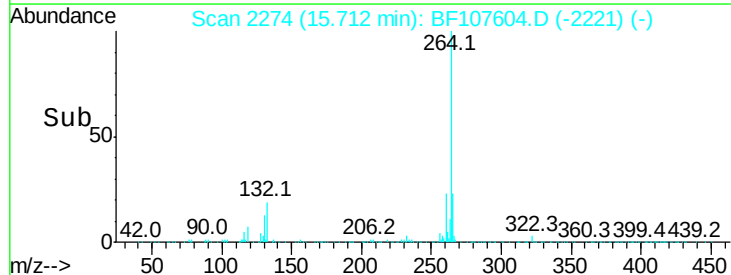
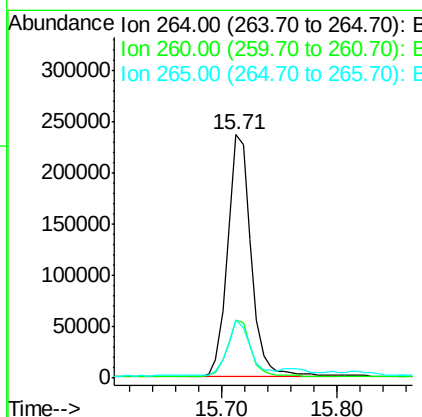
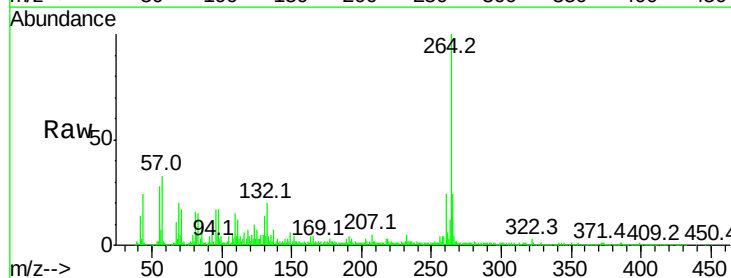
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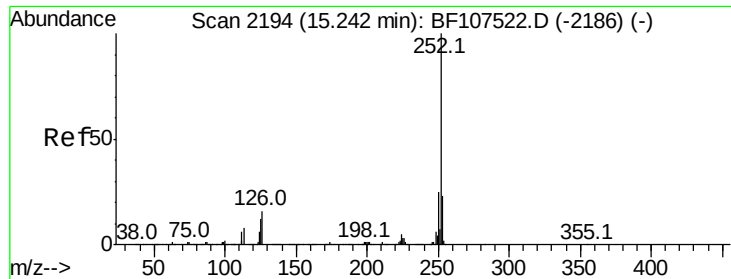
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.9	17.5	26.3





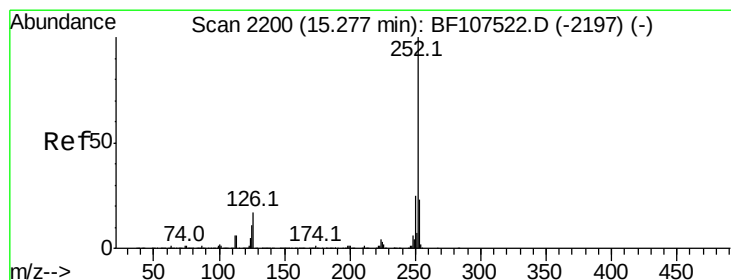
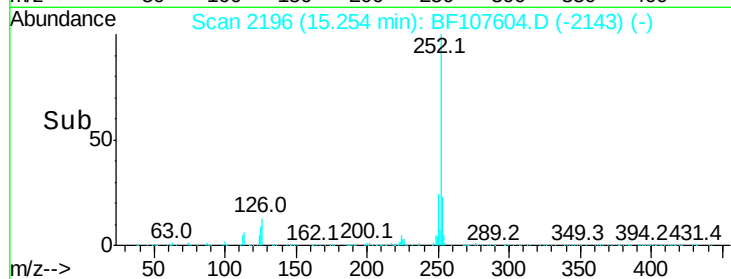
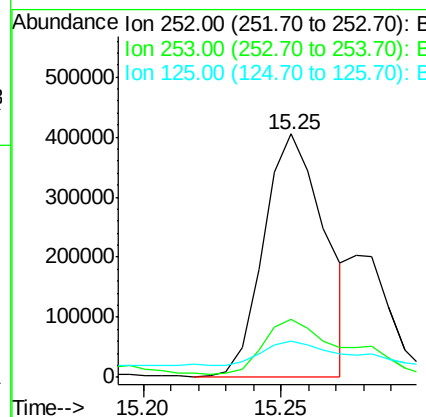
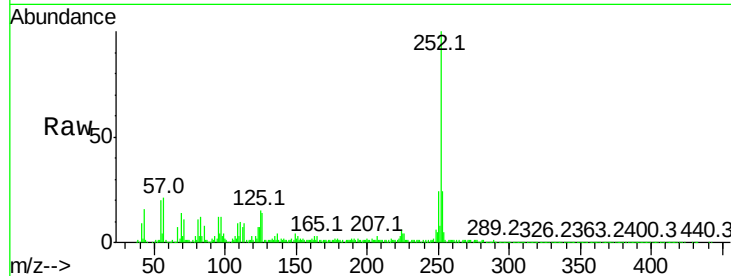
#87
Benzo(b)fluoranthene
Concen: 34.197 ng m
RT: 15.25 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Instrument :
BNA_F
ClientSampleID :
DW-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	15.1	9.0	13.6

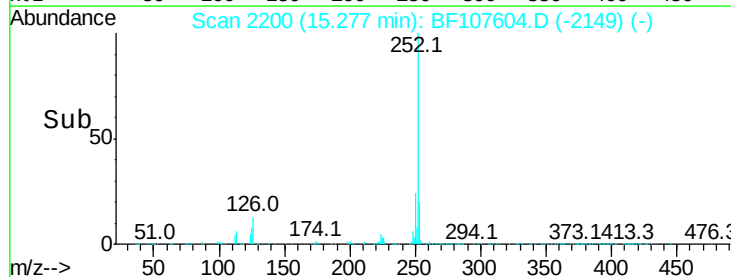
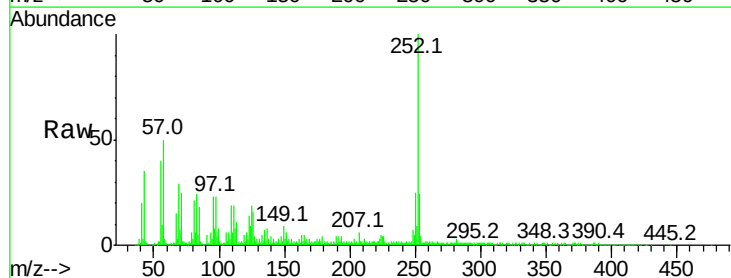
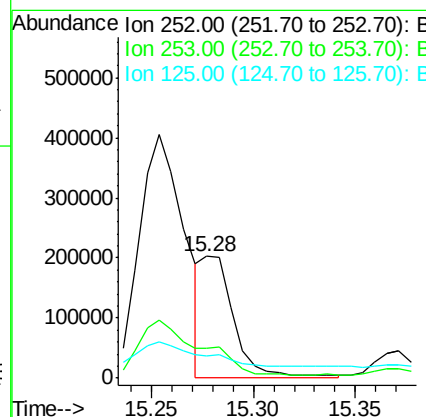
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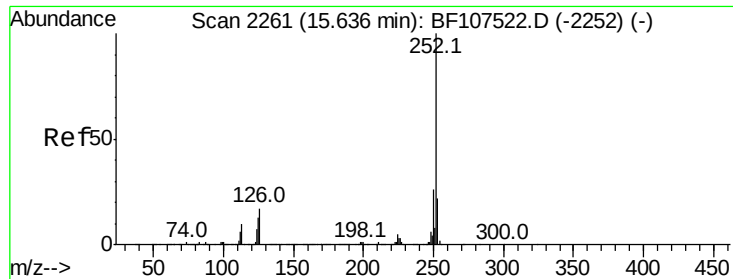
Sohil
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#88
Benzo(k)fluoranthene
Concen: 12.501 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	18.5	10.2	15.2





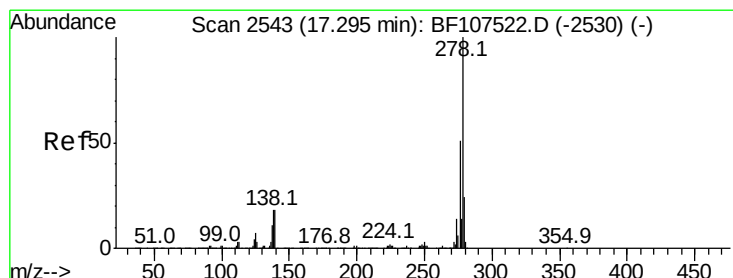
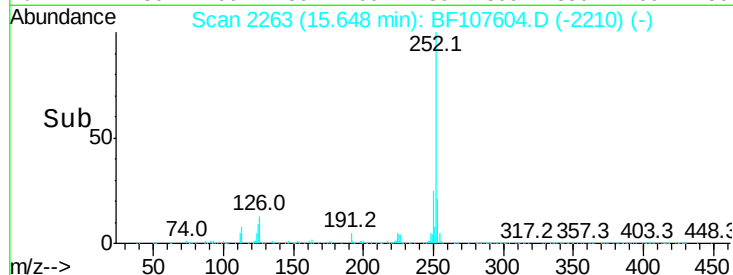
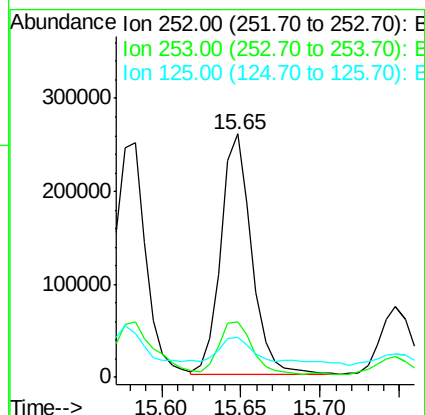
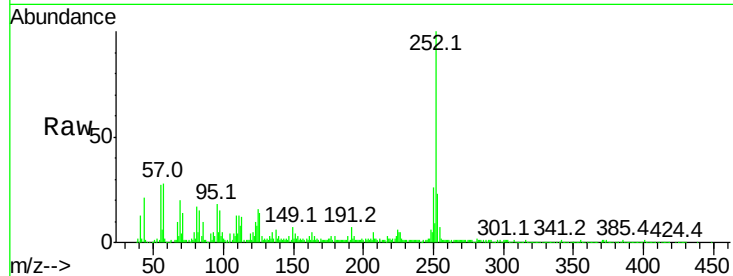
#89
Benzo(a)pyrene
Concen: 21.071 ng
RT: 15.65 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Instrument :
BNA_F
ClientSampleId :
DW-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	16.2	9.8	14.6

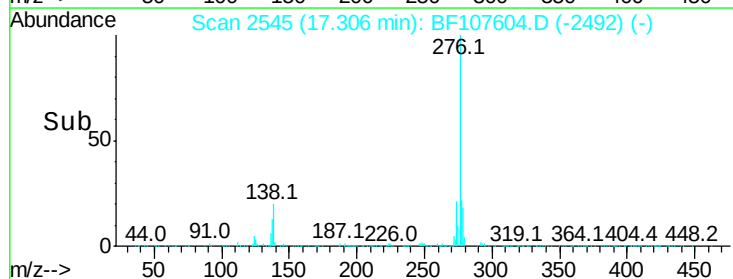
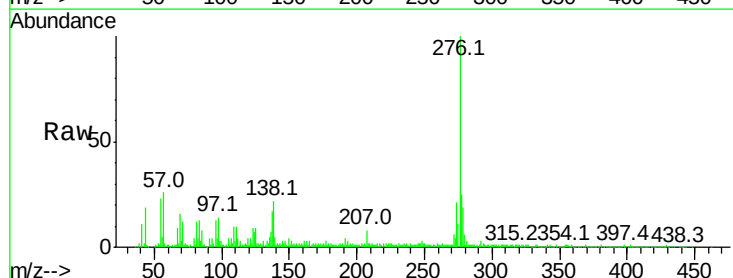
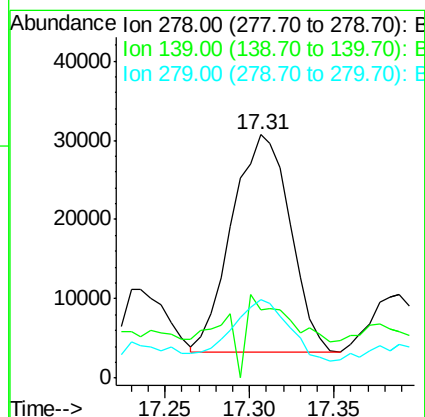
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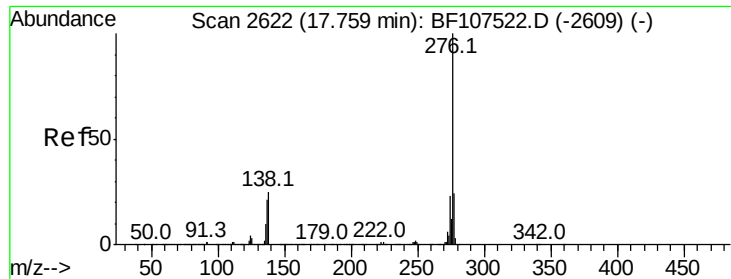
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.557 ng
RT: 17.31 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BF107604.D
Acq: 23 Jul 2018 22:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.1	15.9	23.9
279	32.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 26.379 ng
 RT: 17.78 min Scan# 2626
 Delta R.T. 0.02 min
 Lab File: BF107604.D
 Acq: 23 Jul 2018 22:28

Instrument :
 BNA_F
 ClientSampleId :
 DW-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	22.6	21.8	32.8

Manual Integrations
 APPROVED

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 7/24/2018 5:26:50 PM

